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Term	Documents
SWAP$	0
SWAP	9772
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SWAPABS	1
SWAPABSMIN1	8
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SWAPAC	1
SWAPACTL	2
(L8 AND SWAP$).USPT.	2

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Database:

    US Pre-Grant Publication Full-Text Database
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    US OCR Full-Text Database
    EPO Abstracts Database
    JPO Abstracts Database
    Derwent World Patents Index
    IBM Technical Disclosure Bulletins

Search: L9

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Search History

DATE: Monday, August 20, 2007   **Purge Queries**   Printable Copy   Create Case

Set Name Query   **Hit Count Set Name**
side by side   result set
   DB=USPT; PLUR=YES; OP=OR
   L9   L8 and swap$ 2   L9

L8	L7 and (byte near order)	2	L8
L7	L6 and (description near table)	8	L7
L6	(convert$ or translat$) near (data near structure)	643	L6
L5	L4 and (707/$.ccls.)	5	L5
L4	spanning near index	22	L4
L3	non near spanning near index	0	L3
L2	l1 and bidirectionl$	0	L2
L1	6792607.pn.	1	L1

END OF SEARCH HISTORY

Hit List

Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 6865614 B2

L8: Entry 1 of 2   File: USPT   Mar 8, 2005

US-PAT-NO: 6865614
DOCUMENT-IDENTIFIER: US 6865614 B2

TITLE: Method for transferring a packed data structure to an unpacked data structure by copying the packed data using pointer

DATE-ISSUED: March 8, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fischer; Matthew	Richardson	TX		
Makphaibulchoke; Thavatchai	Arlington	TX		
Ramesh; Subramanian	Plano	TX		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Hewlett-Packard Development Company, L.P.	Houston	TX			02

APPL-NO: 09/897349   [PALM]
DATE FILED: July 2, 2001

PARENT-CASE:
RELATED APPLICATIONS The instant application is related to "Method for Pre-Processing a Data Collection for Use by a Big-Endian Operating System," Hewlett-Packard Company U.S. application Ser. No. 09/897348, and "Method for Reversing the Bits of a Computer Data Structure," Hewlett-Packard Company U.S. application Ser. No. 09/897346, now U.S. Pat. No. 6,388,586, both of which were filed on the same day as the instant application.

INT-CL-ISSUED: [07] G06F 15/16

INT-CL-CURRENT:

TYPE	IPC		DATE
CIPS	G06 F 9/54		20060101
CIPS	G06 F 9/46		20060101
CIPS	G06 F 15/16		20060101
CIPS	G06 F 17/00		20060101
CIPS	G06 F 15/163		20060101
CIPS	G06 F 9/00		20060101

US-CL-ISSUED: 709/246; 717/140
US-CL-CURRENT: 709/246; 717/140

FIELD-OF-CLASSIFICATION-SEARCH: 395/185.01, 395/680, 711/114, 709/246, 709/213, 717/140, 710/8, 707/103, 707/4, 370/474
See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
5809302	September 1998	Wang et al.	717/117

OTHER PUBLICATIONS

cs.umd.edu/class/spring2003/cmsc311/Notes/BitOp/cast.html.*
eskimo.com/.about.scs/cclass/int/sx4bb.html.*
Kaz Kylheku, "int pointer to int array", Jun. 17, 1997, comp.lang.c.*
Lawrence Kirby, "casting a pointer to an structure to an structure inside first", Dec. 14, 1996, comp.lang.c.*
David Woodman, "summary of obfuscated code request", Dec. 5, 1989, comp.lang.c.*
Jeffrey Turner, "Packing bit field and alignment", Jan. 21, 2001, comp.lang.c.*
Lars Henrik Mathiesen, "Type punning in C", Oct. 26, 1989, comp.lang.c.

ART-UNIT: 2127

PRIMARY-EXAMINER: An; Meng-Al T.

ASSISTANT-EXAMINER: To; Jennifer

ATTY-AGENT-FIRM: Croft; Thomas M.

ABSTRACT:

Computer data is transferred from a packed to an unpacked data structure in a computer that enforces aligned memory access and for which the associated compiler lacks a compile-time directive to pack data structures. In an exemplary embodiment, the invention is employed in the pre-processing of Advanced Configuration and Power Interface (ACPI) tables stored in little-endian format for use by a big-endian operating system.

9 Claims, 12 Drawing figures

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw. Desc | Image |

☐ 2.   Document ID: US 6388586 B1

L8: Entry 2 of 2   File: USPT   May 14, 2002

US-PAT-NO: 6388586
DOCUMENT-IDENTIFIER: US 6388586 B1

TITLE: Method for reversing the bits of a computer data structure

DATE-ISSUED: May 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fischer; Matthew	Richardson	TX		
Kota; Raghuram	Dallas	TX		
Makphaibulchoke; Thavatchai	Arlington	TX		
Ramesh; Subramanian	Plano	TX		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Hewlett-Packard Company	Palo Alto	CA			02

APPL-NO: 09/897346   [PALM]
DATE FILED: July 2, 2001

INT-CL-ISSUED: [07] H03M 7/38

INT-CL-CURRENT:

TYPE	IPC			DATE
CIPP	G06	F	7/76	20060101

US-CL-ISSUED: 341/51; 341/60, 341/65, 341/67, 341/77, 341/78, 708/495, 710/22, 710/52, 710/105, 710/110, 710/311, 710/315, 711/200, 711/220, 712/300, 712/200, 717/11, 717/5
US-CL-CURRENT: 341/51; 341/60, 341/65, 341/67, 341/77, 341/78, 708/495, 710/105, 710/110, 710/22, 710/311, 710/315, 710/52, 711/200, 711/220, 712/200, 712/300, 717/140, 717/174

FIELD-OF-CLASSIFICATION-SEARCH: 341/51, 341/60, 341/65, 341/67, 341/77, 341/78, 708/495, 710/10, 710/22, 710/52, 710/105, 710/110
See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
5423010	June 1995	Mizukami	341/60
5479166	December 1995	Read et al.	341/65
5512896	April 1996	Read et al.	341/65
5990810	November 1999	Williams	341/51
6005503	December 1999	Burrowws	341/67

ART-UNIT: 2621

PRIMARY-EXAMINER: Tokar; Michael

ASSISTANT-EXAMINER: Mai; Lam T.

ATTY-AGENT-FIRM: Croft; Thomas M.

ABSTRACT:

The bits comprising a computer data structure are reversed rapidly and efficiently using a combination of data partitioning and table look ups. In an exemplary embodiment, the invention is employed in the pre-processing of Advanced Configuration and Power Interface (ACPI) tables stored in little-endian format for use by a big-endian operating system.
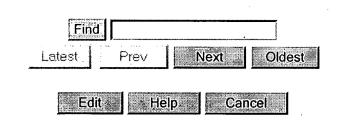
12 Claims, 12 Drawing figures

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | | Claims | KWIC | Draw Desc | Image |

| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |

Term	Documents
BYTE	72813
BYTES	73033
ORDER	2387071
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(7 AND (BYTE NEAR ORDER)).USPT.	2
(L7 AND (BYTE NEAR ORDER)).USPT.	2

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Queries 20163 through 20212.

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S #	Updt	Database	Query	Time	Comment
S20212	U	USPT	(spanning near index) and (707/$.ccls.)	2007-08-20 15:40:59	
S20211	U	USPT	spanning near index	2007-08-20 15:40:39	
S20210	U	USPT	non near spanning near index	2007-08-20 15:40:25	
S20209	U	USPT	(6792607.pn.) and bidirectionl$	2007-08-20 15:37:07	
S20208	U	USPT	6792607.pn.	2007-08-20 15:35:26	
S20207	U	USPT	(6865614.pn. and swap$ and direct and access) and dafs	2007-08-20 12:42:43	
S20206	U	USPT	(6865614.pn. and swap$ and direct) and access	2007-08-20 12:42:30	
S20205	U	USPT	(6865614.pn. and swap$) and direct	2007-08-20 12:42:21	
S20204	U	USPT	(6865614.pn.) and swap$	2007-08-20 12:36:01	
S20203	U	USPT	and swap$ (6865614.pn.)	2007-08-20 12:35:50	
S20202	U	USPT	6865614.pn.	2007-08-20 12:35:43	
S20201	U	USPT	((convert$ or translat$) near	2007-08-	

			(data near structure) and (description near table)) and (byte near order)	20 11:17:10	
S20200	U	USPT	((convert$ or translat$) near (data near structure)) and (description near table)	2007-08-20 11:16:35	
S20199	U	USPT	(convert$ or translat$) near (data near structure)	2007-08-20 11:15:41	
S20198	U	PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	6685090.PN.	2007-08-19 09:19:04	
S20197	U	USPT	(unif$ near access near interface) and parameter$	2007-08-19 08:59:02	
S20196	U	USPT	(unif$ near access near interface) and (disparate near data)	2007-08-19 08:45:49	
S20195	U	USPT	unif$ near access near interface	2007-08-19 08:45:19	
S20194	U	USPT	((("Line Of Business") or LOB) near system and (jemella)) and (catalog$)	2007-08-19 08:42:25	
S20193	U	USPT	((("Line Of Business") or LOB) near system and (jemella)) and (disparate near data)	2007-08-19 08:42:01	
S20192	U	USPT	((("Line Of Business") or LOB) near system) and (jemella)	2007-08-19 08:41:12	
S20191	U	USPT	((("Line Of Business") or LOB) near system) and (disparate near data)	2007-08-19 08:40:47	
S20190	U	USPT	((("Line Of Business") or LOB) near system) and instantiat$	2007-08-19 08:39:18	
S20189	U	USPT	(("Line Of Business") or LOB) near system	2007-08-19 08:38:52	
S20188	U	USPT	("Line Of Business") and (disparate near data)	2007-08-19 08:37:23	
S20187	U	USPT	((LOB or "line of business")) and (disparate near data)	2007-08-19 08:33:47	
S20186	U	USPT	((LOB or "line of business")) and (diparate near data)	2007-08-19 08:33:34	